

## Supplementary Figures

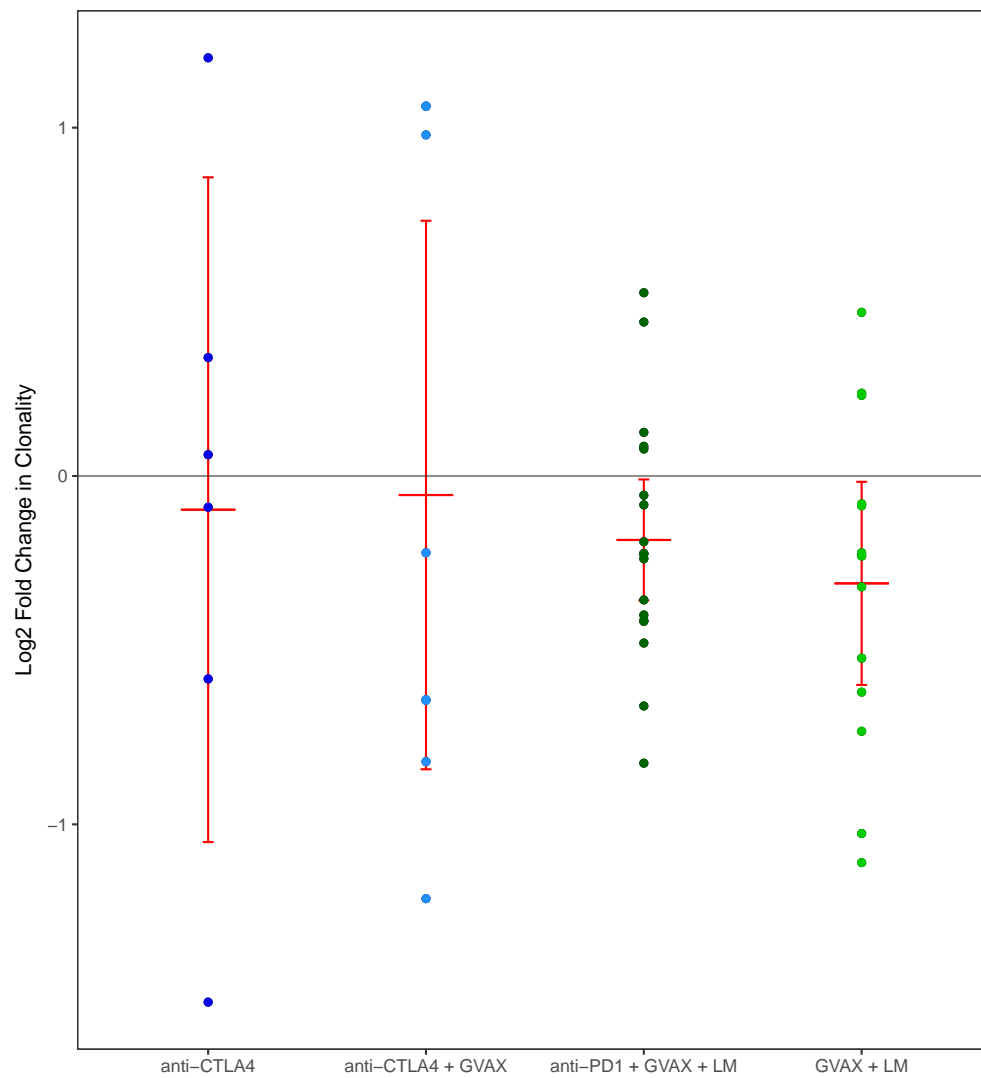


Figure S1: The log2 normalized fold change in clonality, comparing the post treatment 3 timepoint to baseline for all patients. Red bars represent mean and 95% confidence interval.

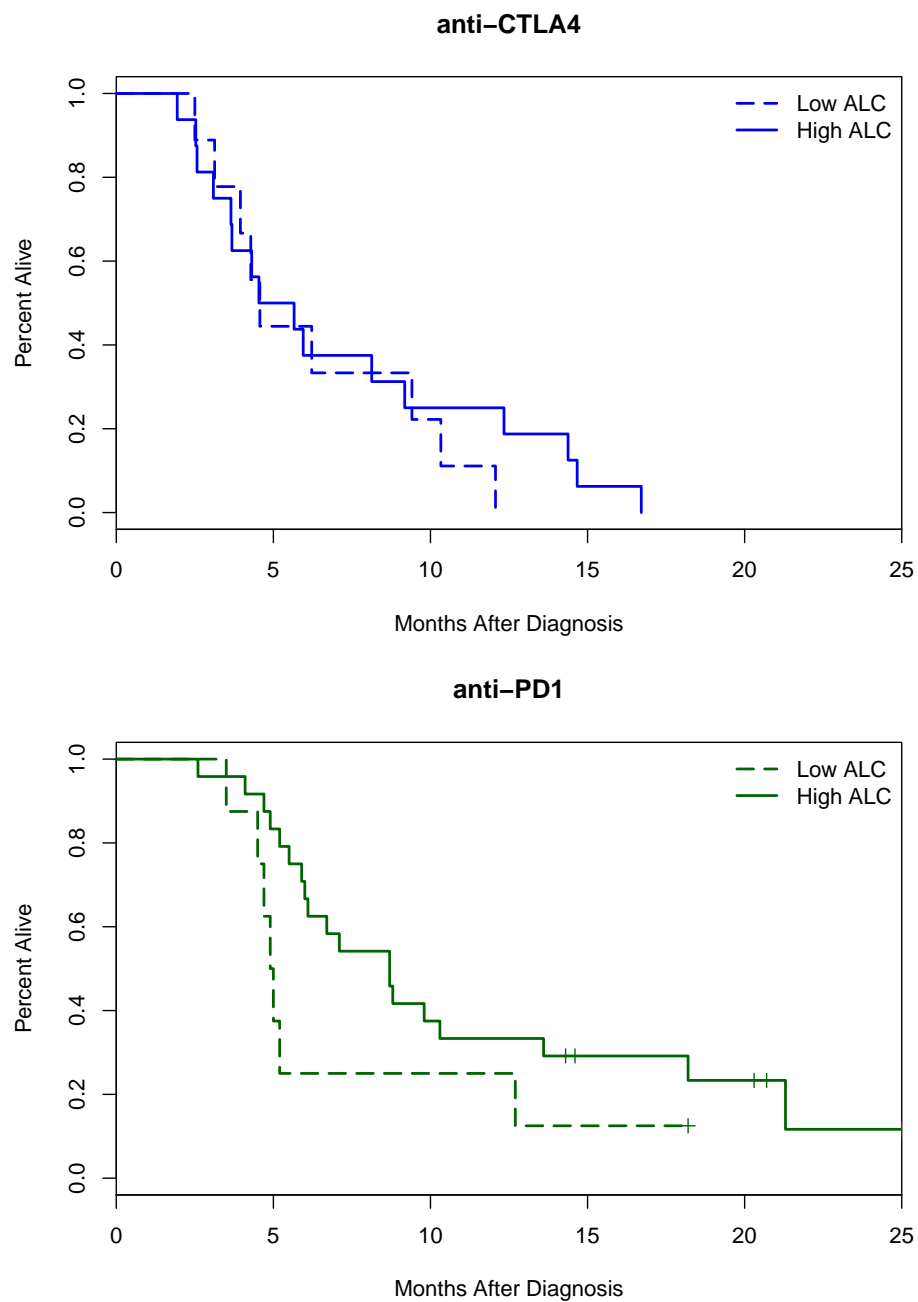


Figure S2: Kaplan Meier survival curves of patients on the anti-CTLA-4 study (top, blue) and anti-PD-1 study (bottom, green). Patients are stratified by absolute lymphocyte count with a cutoff of 1000.